

ABSTRACT

A method for manufacturing a workpiece, such as an automotive fuel tank, that includes a connection between a male connector and a female connector, one of which includes a tab that is only removable following the connection. The tab includes a computer-readable code that is read by the computer. During manufacturing, the workpiece is loaded into a workstation, the connection is made, and the tab is removed. The tab is presented to a computer to verify the connection. In the event that a command is received to release the workpiece and the computer has not verified the connection, the computer issues an alert. In a workstation that comprises a computer-controlled release mechanism, a preferred alert comprises a refusal to release the workpiece prior to verification of the connection.